

第十一节 应用容器安全

CSRF

Tomcat CSRF 防控实现

[http://tomcat.apache.org/tomcat-7.0-doc/config/filter.html#CSRF Prevention Filter](http://tomcat.apache.org/tomcat-7.0-doc/config/filter.html#CSRF_Prevention_Filter)

Spring Security - CsrfFilter

请求匹配 - RequestMatcher

- AntRequestMatcher
- RegxRequestMatcher

included : /users/1/*,

excluded: /user/1/info,

/users/1/details

/users/1/info

JNDI

创建 Context 的方式

1. `new InitialContext()`

2.

`javax.naming.spi.InitialContextFactory#getInitialContext`

3.

`javax.naming.spi.InitialContextFactoryBuilder#createInitialContextFactory`

4. (推荐)

`javax.naming.spi.NamingManager#getInitialContext`

通过 Java 系统属性 "java.naming.factory.initial"

Tomcat

org.geektimes.projects.user.message.MessageProducerFactory#getObjectInstance 第一个参数

```
ResourceRef[className=javax.jms.MessageProducer,  
factoryClassLocation=null,  
factoryClassName=org.apache.naming.factory.ResourceFactory,  
{type=scope,content=Shareable},  
{type=auth,content=Container},  
{type=singleton,content=true},  
{type=factory,content=org.geektimes.projects.user.message.MessageProducerFactory},  
{type=queueName,content=TEST.FOO},  
{type=connectionFactoryJndiName,content=activemq-factory}  
]
```

相关技术

Tomcat

参考 \$CATALINA_HOME/conf/server.xml

- Digester 解析 XML 元素 -> Tomcat 组件（XML 元素名称 = Tomcat 组件类型）
- XML 元素属性与 Tomcat 组件属性同名绑定
- 所有 Tomcat 组件都实现了 Tomcat 生命周期接口 Lifecycle

<http://tomcat.apache.org/tomcat-7.0-doc/architecture/requestProcess/request-process.png>

Spring Stack

Eclipse MicroProfile

- JSR

Eclipse Vert.x

课后预习

Servlet 3.1 规范中关于 HttpSession 内容

- 钝化 (Passivate)
- 持久化

